

Title (en)

Scanning optical device and image forming apparatus

Title (de)

Optische Abtastvorrichtung und Bilderzeugungsgerät

Title (fr)

Appareil à balayage optique et appareil à formation d'image

Publication

EP 1365272 A3 20041222 (EN)

Application

EP 03252899 A 20030509

Priority

- JP 2002134961 A 20020510
- JP 2003115927 A 20030421

Abstract (en)

[origin: EP1365272A2] In an OFS scanning optical system in which a light beam incident to a deflection surface is set to a light beam wider than the deflection surface, angles formed between the center axes of emitted distributions of light beams from light emitting points of respective lasers as light sources and the optical axis of the corresponding optical system within a main scanning section and total angular widths of laser beam radiation angles within the main scanning section are regulated. Thus, symmetry and uniformity of an illumination distribution of an imaging spot on a surface to be scanned are improved. <IMAGE>

IPC 1-7

G02B 26/12

IPC 8 full level

B41J 2/44 (2006.01); **G02B 26/10** (2006.01); **G02B 26/12** (2006.01); **G03G 15/04** (2006.01); **H04N 1/036** (2006.01); **H04N 1/113** (2006.01)

CPC (source: EP KR US)

G02B 26/10 (2013.01 - KR); **G02B 26/123** (2013.01 - EP US)

Citation (search report)

- [Y] EP 1113305 A2 20010704 - CANON KK [JP]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

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